

Exhibit B 1/3

CLUSTAL W (1.83) multiple sequence alignment

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SEQID18      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID27      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID3       MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID15      MLLLPLLP-VLLCVSVSVSSSGSQTC---EDTLKTCS-VIAC-----GRDGR---DG 43
SEQID28      MLLLPLL--VLLCVSVSVSSSGSQTC---EETLKTCS-VIAC-----GRDGR---DG 42
SEQID19      MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID26      MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID2       MSIFTSF--LLLCVVTVVYAETLT----EGVQNSCP-VVTCSSPGLNGFPGKDGR---DG 50
SEQID29      MSLFTSF--LLLCVLTAVYAETLT----EGAQSSCP-VIACSSPGLNGFPGKDGH---DG 50
SEQID30      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID34      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID33      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID38      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID37      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID8       MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID9       MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID35      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID36      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGR---DG 54
SEQID32      MSLFPSLPLLLLSMVAASYSETVTC---EDAQKTCPAVIACSSPGLNGFPGKDGC---DG 54
SEQID24      MTLQPFSAALLCLSLMMATSLTLDKPEEKMYSCP-IIQCSAPAVNGLPGRDGR---DG 56
SEQID25      MTLQPFSAALLCLSLMMATSLTLDKPEEKMYSCP-IIQCSAPAVNGLPGRDGR---DG 56
SEQID21      -----LQLQFALQLLDGAE---PQNLNCPAYGGVPGTPGHNGLPGRDGRDGDG 47
SEQID23      MALFKLFLGTLLLLQFALQLLDGAE---PQNLNCPAYGGVPGTPGHNGLPGRDGRDGDG 57
SEQID22      MALLKLFLGALLLQLVLQLMAGAAD--PQSLNCPAYAGVPGTPGHNGLPGRDGRVGRDG 58
SEQID40      MALLKLFLGALLLQLVLQLMAGAAD--PQSLNCPAYAGVPGTPGHNGLPGRDGRVGRDG 58
SEQID16      ---MEKLAILLLLSASIALG----- 17
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SEQID18      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AIEEKLAMEA 101
SEQID27      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AIEEKLAMEA 101
SEQID3       PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AIEEKLAMEA 101
SEQID15      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR----- 101
SEQID28      PKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AIEEKLAMEA 100
SEQID19      AKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AEFDTSEIDS 106
SEQID26      AKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AEFDTSEIDS 106
SEQID2       AKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--AEFDTSEIDS 106
SEQID29      AKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--VEFDTTNIDL 106
SEQID30      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID34      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID33      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID38      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID37      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID8       TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID9       TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID35      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID36      TKEEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID32      TKGEKGEPGQGLRGLQGPPGKLGPPGSGVSPGSPGPKGQKGDHGDNR--PDGDSSLAAS 110
SEQID24      PKGEKGDPGEGRLGLQGLPGKAGPQGLKGEVGPQGEKGQKGERGIVTDDLHRQITDLEA 116
SEQID25      PKGEKGDPGEGRLGLQGLPGKAGPQGLKGEVGPQGEKGQKGERGIVTDDLHRQITDLEA 116
SEQID21      AIGPKGEKGESGVSVQPPGKAGPPGTAGEKGERGSPGSPGSE-----SVLESLKS 101
SEQID23      AIGPKGEKGESGVSVQPPGKAGPPGTAGEKGERGSPGSPGSE-----SVLESLKS 111
SEQID22      ANGPKGEKGEPGVNVQPPGKAGPPGPAGAKGERGSPG---LPGQD-----CMSDSLKS 109
SEQID40      ANGPKGEKGEPGVNVQPPGKAGPPGPAGAKGERGSPG---LPGQD-----CMSDSLKS 109
SEQID16      -----DANLTQLLGLLEPLLKTKVEQTTP-----EA 42
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SEQID18	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVKS LCTELQGTVAIPRNAEE	161
SEQID27	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVKS LCTELQGTVAIPRNAEE	161
SEQID3	EIRILKSKLQLTNKLHAFSMGKKSGKKLFVTNHEKMPFSKVKS LCTELQGTVAIPRNAEE	161
SEQID15	XXXXXXXXXXXXXXXXHAFSMGKKSGKKLFVTNHEKMPFSKVKS LCTELQGTVAIPRNAEE	161
SEQID28	EINTLKSLELTNKLHAFSMGKKSGKKLFVTNHERMPFSKV KALCSELRGTVAI PRNAEE	160
SEQID19	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID26	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID2	EIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSEFQGSVATPRNAEE	166
SEQID29	EIAALRSELRAMRKWVLLSMSENVGKKYFMSSVRRMPLNRAKALCSELQGTVAIPRNAEE	166
SEQID30	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID34	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID33	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID38	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID37	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID8	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID9	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID35	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID36	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID32	ERKALQTEMARIKKWLTFSLGKQVGNKFLLTNGEIMTFEKKV KALCVKFQASVATPRNAEE	170
SEQID24	KIRVLEDDLTRYKKALS LKDVNVGKKMFVSTGKKYNFEKGKSLCAKAGSVLASPRNEAE	176
SEQID25	KIRVLEDDLTRYKKALS LKDVNVGKKMFVSTGKKYNFEKGKSLCAKAGSVLASPRNEAE	176
SEQID21	EIQQLKAKIATFEKVSSVCHFRKVGQKYIITDGVVGNFDQGLKSCMEFGGTMVSPRTSAE	161
SEQID23	EIQQLKAKIATFEKVASVGHFRQVGQKYIITDGVVGTDFDQGLKFCCKDFGGTMVFPRTSAE	171
SEQID22	ELQKLSDKIALIEKVVNFKTFKKVGQKYIYTDDVEETFDKGMQYCSSNGGALVLPRTLEE	169
SEQID40	ELQKLSDKIALIEKVVNFKTFKKVGQKYIYTDDVEETFDKGMQYCSSNGGALVLPRTLEE	169
SEQID16	QVEAVQEGIK---EGSCPSDWYTYGSHCFKFSIQQS FVDSEQNCLALGGNLASVHSLLE	99

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SEQID18	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID27	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID3	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID15	NKAIQEVAT-----GIAFLGITDEATEGQFMYVTGGRLTYSNWKKDEPNNHGSGEDCVI	215
SEQID28	NKAIQEVAK-----TSAFLGITDEVTEGQFMYVTGGRLTYSNWKKDEPNNDHSGGEDCVT	214
SEQID19	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID26	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID2	NSAIQKVAK-----DIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVV	220
SEQID29	NRAIQNVAK-----DVAFLGITDQRTENVFEDLTGNRVRYTNWNEGEPNNVSGSNGECVV	220
SEQID30	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID34	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID33	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID38	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID37	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID8	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID9	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID35	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID36	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID32	NGAIQNLIK-----EEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVL	224
SEQID24	NTALKDLIDPS----SQAYIGISDAQTEGRFMYLSGGPLTYSNWKPGEPPNNHKN-EDCAV	231
SEQID25	NTALKDLIDPS----SQAYIGISDAQTEGRFMYLSGGPLTYSNWKPGEPPNNHKN-EDCAV	231
SEQID21	NQALLKLVVSSGLSGSKPYIGVTDRETEGQFVDTEGKQLTFTNWGPGQPDDYKGLQDCGV	221
SEQID23	NQALLKLVVSSGLSSKPYIGVTDRETEGQFVDTEGKQLTFTNWGPGQPDDYKGLQDCGV	231
SEQID22	N-ALLKV FVSS--AFKRLFIRITDREKEGEFVDTRKKLFTFTNWGPNQPDNYKGAQDCGA	226
SEQID40	N-ALLKV FVSS--AFKRLFIRITDREKEGEFVDTRKKLFTFTNWGPNQPDNYKGAQDCGA	226
SEQID16	YQFMQALTKDANGHLHSTWLGGFDAIKEGTWMSDGS RFDYTNWDTDEPNNAGEDCLH	159

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SEQID18	ILDN--GLWNDISCQAS-FKAVCEFPA-	239
SEQID27	ILDN--GLWNDISCQAS-FKAVCEFPA-	239
SEQID3	ILDN--GLWNDISCQAS-FKAVCEFPA-	239

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SEQID15	ILDN--GLWNDISCQAS-FKAVCEFFA-	239
SEQID28	IVDN--GLWNDISCQAS-HTAVCEFFA-	238
SEQID19	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID26	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID2	ILGN--GKWNDVPCSDS-FLAICEFSD-	244
SEQID29	LLTN--GKWNDVPCSDS-FLVVCEFS-	244
SEQID30	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID34	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID33	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID38	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID37	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID8	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID9	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID35	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID36	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID32	LLKN--GQWNDVPCSTS-HLAVCEFPI-	248
SEQID24	IEDS--GKWNDLDCSNSNIFIICEL---	254
SEQID25	IEDS--GKWNDLDCSNSNIFIICEL---	254
SEQID21	IEDT--GLWDDGGCGDI-RPIMCEIDIK	246
SEQID23	IEDS--GLWDDGSCGDI-RPIMCEIDNK	256
SEQID22	IADS--GLWDDVSCDSL-YPIICEIEIK	251
SEQID40	IADS--GLWDDVSCDSL-YPIICEIEIK	251
SEQID16	MNAASAKLWFDVPCWK-FASLCSSRM-	185
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